

Recombinant Rat P2rx6 Protein, His-tagged

Cat. No. P2rx6-1890R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat P2rx6 Protein (Leu86-Gly270) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Leu86-Gly270
Description	Enables extracellularly ATP-gated cation channel activity. Predicted to be involved in cation transmembrane transport; cell surface receptor signaling pathway; and response to ATP. Located in several cellular components, including dendritic spine; neuronal cell body; and postsynaptic density. Is active in glutamatergic synapse and parallel fiber to Purkinje cell synapse. Is integral component of postsynaptic specialization membrane. Orthologous to human P2RX6 (purinergic receptor P2X 6).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.3 kDa Accurate Molecular Mass: 24 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	P2rx6 purinergic receptor P2X, ligand-gated ion channel, 6 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	P2rx6
Synonyms	P2RX6; purinergic receptor P2X, ligand-gated ion channel, 6; P2X purinoceptor 6; P2XM; ATP receptor; P2X6 receptor; purinergic receptor P2X6; purinergic receptor P2X-like 1 orphan receptor; P2x6; P2rx11; Rnap2x6;
Gene ID	25041
mRNA Refseq	NM_012721
Protein Refseq	NP_036853
UniProt ID	P51579

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